Richard I Sherwood

List of Publications by Year
in descending order

25 papers	1,568 citations	759233 12 h-index	713466 21 g-index
29 all docs	29 docs citations	29 times ranked	3144 citing authors

#	Article	IF	Citations
1	Peptide fusion improves prime editing efficiency. Nature Communications, 2022, 13, .	12.8	27
2	Machine learning based CRISPR gRNA design for therapeutic exon skipping. PLoS Computational Biology, 2021, 17, e1008605.	3.2	7
3	Detection of gene cis-regulatory element perturbations in single-cell transcriptomes. PLoS Computational Biology, 2021, 17, e1008789.	3.2	0
4	Using CRISPR to understand and manipulate gene regulation. Development (Cambridge), 2021, 148, .	2.5	9
5	Small molecule inhibition of ATM kinase increases CRISPR-Cas9 1-bp insertion frequency. Nature Communications, 2021, 12, 5111.	12.8	15
6	Machine learning based CRISPR gRNA design for therapeutic exon skipping. , 2021, 17, e1008605.		0
7	Machine learning based CRISPR gRNA design for therapeutic exon skipping. , 2021, 17, e1008605.		0
8	Machine learning based CRISPR gRNA design for therapeutic exon skipping. , 2021, 17, e1008605.		0
9	Machine learning based CRISPR gRNA design for therapeutic exon skipping. , 2021, 17, e1008605.		0
10	A High-Throughput Genome-Integrated Assay Reveals Spatial Dependencies Governing Tcf7l2 Binding. Cell Systems, 2020, 11, 315-327.e5.	6.2	2
11	Identification of determinants of differential chromatin accessibility through a massively parallel genome-integrated reporter assay. Genome Research, 2020, 30, 1468-1480.	5.5	16
12	Chemogenetic System Demonstrates That Cas9 Longevity Impacts Genome Editing Outcomes. ACS Central Science, 2020, 6, 2228-2237.	11.3	14
13	Comprehensive Mapping of Key Regulatory Networks that Drive Oncogene Expression. Cell Reports, 2020, 33, 108426.	6.4	14
14	A Multiplexed Barcodelet Single-Cell RNA-Seq Approach Elucidates Combinatorial Signaling Pathways that Drive ESC Differentiation. Cell Stem Cell, 2020, 26, 938-950.e6.	11.1	12
15	Dam mutants provide improved sensitivity and spatial resolution for profiling transcription factor binding. Epigenetics and Chromatin, 2019, 12, 36.	3.9	16
16	Predictable and precise template-free CRISPR editing of pathogenic variants. Nature, 2018, 563, 646-651.	27.8	414
17	A CRISPR view of gene regulation. Current Opinion in Systems Biology, 2017, 1, 1-8.	2.6	16
18	Cas9 Functionally Opens Chromatin. PLoS ONE, 2016, 11, e0152683.	2.5	34

#	Article	IF	Citations
19	A synergistic DNA logic predicts genome-wide chromatin accessibility. Genome Research, 2016, 26, 1430-1440.	5.5	18
20	High-throughput mapping of regulatory DNA. Nature Biotechnology, 2016, 34, 167-174.	17.5	217
21	Gata6 potently initiates reprograming of pluripotent and differentiated cells to extraembryonic endoderm stem cells. Genes and Development, 2015, 29, 1239-1255.	5.9	120
22	Cloning-free CRISPR. Stem Cell Reports, 2015, 5, 908-917.	4.8	53
23	Discovery of directional and nondirectional pioneer transcription factors by modeling DNase profile magnitude and shape. Nature Biotechnology, 2014, 32, 171-178.	17.5	415
24	Prostaglandin E2 Regulates Liver versus Pancreas Cell-Fate Decisions and Endodermal Outgrowth. Developmental Cell, 2014, 28, 423-437.	7.0	43
25	Wnt signaling specifies and patterns intestinal endoderm. Mechanisms of Development, 2011, 128, 387-400.	1.7	94